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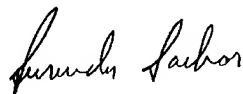
The present Preliminary Amendment is submitted to set forth new Claims 12-22 for examination. New Claims 12-22 are deemed to be self-evident from the original disclosure, and thus are not deemed to raise any issues of new matter.

JC17 Rec'd PST/PTO 13 NOV 2001

The present application is believed to be in condition for a full and thorough examination on the merits. An early and favorable consideration of the present application is hereby respectfully requested.

Respectfully submitted,

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Serial No:

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11-13-01

IN THE CLAIMS

Claims 1-11 (Cancelled).

Claims 12-22 (New).

IN THE ABSTRACT

Please amend the Abstract on page 30 as follows:

--ABSTRACT

[Refractometer] A refractometer with blazed Bragg gratings. In order to measure the refractive index of a medium [(18)], for example a liquid or a gas, [this system comprises] the refractometer includes a waveguide [(14)] having a blazed Bragg grating [(16)], the spectral response of which depends on the refractive index of the medium[,] and a light source [(20)] in order to make this light interact with the grating[.]. Further, [means (22) for the] spectral analysis of the light which has interacted with the grating is performed, [means (24) for recovering] the spectrum provided by the spectral analysis [means] is recovered, and [means (26) to correlate], from the recovered spectrum, the spectral response of the grating is correlated with one value of the refractive index of the medium.

[Figure 3.]--